

Valve Rotators

Increasing valve life by rotation
What makes Helical different?

As a designer and manufacturer of valve rotators:

- Helical is an independent, family-owned company.
- We are the only major manufacturer of valve rotators which designs and produces springs in-house.
- Valve rotators are at the core of our business, and we offer a specialist approach from concept to production.
- Helical has a full range of design and manufacturing skills, and in-house testing facilities.
- We pay close attention to customers' requirements.
- We offer competitive products based on low-cost manufacturing of components and expert engineering.
- We have a worldwide presence due to our sales to major OEMs in Europe, North and South America and Asia, from our European HQ, Chinese joint venture and Indian subsidiary.
- We have the flexibility to expand our production capacity.

What is a Rotator?

A Valve Rotator is an assembly fitted to the top or the bottom of the valve spring.

What does it do?

Each time a valve operates, the valve rotator turns the valve slightly.

Advantages

- Reduces carbon deposits on the valve.
- Prevents carbon build-up on valve seat.
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Cleaner valves reduce engine emissions.

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Prevents burning and guttering of the valve face and seat.

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Reduces thermal gradient and stress.

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Benefits valve stem lubrication.

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Reduces the need for high-cost nimonic steel valves.

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Easy to replace during engine service.

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Allows longer engine service intervals.

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Extends the life of key engine and valve gear components.